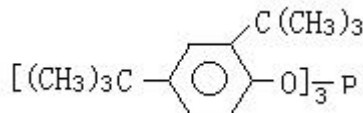




Auxiliary Antioxidant 168

- **Chemical Name:** Tris (2,4-di-tert-butyl-phenyl)phosphite
- **Molecular Weight:** M=646
- **Molecular Formula:** C₄₂H₆₃O₃P
- **Chemical Structure Formula:**



- **Typical Physical Properties: HG/T 3712-2003**

Item		Standard
Appearance		White Powder
Melting Range (°C)		183~187
Volatile (%)		≤ 0.3
Solubility (2g/20ml, Toluene)		Limpidity
Light Transmittance	425nm, %	≥ 98
	500nm, %	≥ 98
Acid Number (mgKOH/g)		≤ 0.3
Anti-Hydrolyze (90°C, Water, 14h)		Qualified
2,4- t-Butyl-Phenol (%)		≤ 0.2
Purity (%)		≥ 99

- **Features:** It is easily soluble in such organic solvents as benzene, chloroform, cyclohexane etc., slightly soluble in esters, but not in polar solvents, such as water, alcohols etc. Low toxicity, good thermostability, non-hydrolyzable, etc. The peculiarity is that it can all be retrieved if soaking in the hot water at 90±1°C within 14 hours and its quality will not be affected.
- **Applications:** It is a secondary antioxidant with excellent resistance to extraction by water, low volatility and high heat stability. It can effectively decompose hydroperoxides produced during the processing of polymeric materials. It isn't usually used alone, compounded with hindered phenolic primary antioxidants such as Antioxidant 1010, to improve thermostability of polymer during the processing. There are over ten kinds of blends of Antioxidant 168 with phenolic antioxidants, widely used in the polymer materials, such as polyolefins (eg. Polyethylene, polypropylene etc.), polyamide, polycarbonate, ABS and so on. The product has good effect with HALS.
- **Recommended Dosage:** 0.1-0.3%
- **Storage:** Stable in property. No special requirement but keep away from damp or heat.
- **Packing:** It is packed in cardboard box lined with plastic bags with the net capacity of 25 kg or It is packed in three-in-one compound bags. The inner layer is plastic film and the outer is polypropylene braided lining kraft paper bags with the net weight of 25kg. It can also be designed according to customers' requirements.

